European Journal of Pharmacology – Molecular Pharmacology Section, 206 (1991) 351–353
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Key word index

Acetylcholine
Choline; Hemicholinium-3; Neuroblastoma-glioma; Hybrid cells; Choline transport (Sheff, K.Y. (206) 105)

Acetylcholine release
ω-Conotoxin GVIA; Ca^{2+} influx; Ca^{2+} (intracellular free); Voltage-sensitive Ca^{2+} channels (Lundy, P.M. (206) 61)

Action potential
Adenosine A_1 receptor; Cytosolic Ca^{2+}; Pituitary (Mollard, P. (206) 271)

Acylating agents
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Adenosine A_1 receptor
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Adipocytes
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cAMP
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Angiotensin II receptor subtypes
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t-Butylbicyclophosphorothionate (TBPS)
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Ca^{2+}
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[^{3}H]nitrendipine; [^{3}H]d-cis-diltiazem; Cyclic nucleotide phosphodiesterase; Ca^{2+} channel antagonists (Schaeffer, P. (206) 325)

Ca^{2+} mobilization
Fluo-3, AM; Neurokinin A (NKA); NK_2 receptor; Transfected fibroblast (Henderson, A.K. (206) 251)

Carbachol
Iris sphincter (bovine); M&B 22948; Inositol trisphosphate; Contraction; Smooth muscle (Akhtar, R.A. (206) 291)

Cardiac ventricle
Sinoatrial node; cAMP; cGMP; cGMP-stimulated phosphodiesterase; Phosphodiesterase inhibitors (Komas, N. (206) 5)

Cardiac ventricular cell (rat)
Li^+; GTP-binding protein (inhibitory); ADP ribosylation; Islet-activating protein (Kawamoto, H. (206) 33)

Ca^{2+} release
Dextran sulfate; Inositol 1,4,5-triphosphate; Smooth muscle cells (Yamamoto, H. (206) 175)

Cerebellar granule cells
Muscarinic M_3 receptors; Phosphoinositide metabolism; Inositol 1,4,5-trisphosphate (Whitham, E.M. (206) 181)

C6 glioma
Desipramine; β-Adrenoceptors; Cyclic AMP; K_L/K_H (Manji, H.K. (206) 159)

Choline
Acetylcholine; Hemicholinium-3; Neuroblastoma-glioma; Hybrid cells; Choline transport (Sheff, K.Y. (206) 105)

Choline transport
Choline; Acetylcholine; Hemicholinium-3; Neuroblastoma-glioma; Hybrid cells (Sheff, K.Y. (206) 105)

[^{3}H]Citalopram
[^{3}H]Imipramine; [^{3}H]Paroxetine; 5-Hydroxytryptamine transport complex; Affinity modulation; Brain; (Human); (Rat) (Plenge, P. (206) 243)

Cl^-
Angiotensin-converting enzyme; Renal brush-border membranes; Ramiprilat binding (Grima, M. (206) 203)

Cloned subtypes
Neurosteroid; $GABA_A$ receptors; Electrophysiology (Shingai, R. (206) 77)

Cl^- uptake
t-Butylbicyclophosphorothionate (TBPS); Acylating agents; t-Butylbicycloorthobenzoate (TBOB); Synaptoneurosomes; Muscimol (Moody, E.J. (206) 113)

Computer-assisted modeling
Dextromethorphan; Haloperidol; (+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine; 1,3-Di-*o*-tolyl guanidine; σ receptor (Zhou, G.-Z. (206) 261)

Computer graphics
Adenosine A_1 receptor; Adenosine A_1 receptor antagonists; Xanthine C8-region (Van der Wenden, E.M. (206) 315)

ω-Conotoxin GVIA
Acetylcholine release; Ca^{2+} influx; Ca^{2+} (intracellular free); Voltage-sensitive Ca^{2+} channels (Lundy, P.M. (206) 61)

Neomycin; GTP; N-channel (Stumpo, R.J. (206) 155)

Contraction
Iris sphincter (bovine); Carbachol; M&B 22948; Inositol trisphosphate; Smooth muscle (Akhtar, R.A. (206) 291)

Cyclic AMP
Desipramine; β-Adrenoceptors; K_L/K_H; C6 glioma (Manji, H.K. (206) 159)

Adenosine receptors; Inositol phosphates; Astroglia; GH_3-cells; Neutrophils (human) (Van Calker, D. (206) 285)

Cyclic GMP
Neurotensin receptors; Ontogeny (Cusack, B. (206) 339)

Norepinephrine; Astrocytes; Nitric oxide (NO) (Agulló, L. (206) 343)

Cyclic nucleotide phosphodiesterase
[^{3}H]nitrendipine; [^{3}H]d-cis-diltiazem; Calmodulin antagonists; Ca^{2+} channel antagonists (Schaeffer, P. (206) 325)

Cytokine
Guanine nucleotide-binding proteins; β-Adrenoceptors; Noradrenaline (Reithmann, C. (206) 53)

Cytosolic Ca^{2+}
Adenosine A_1 receptor; Action potential; Pituitary (Mollard, P. (206) 271)

Desipramine
β-Adrenoceptors; Cyclic AMP; K_L/K_H; C6 glioma (Manji, H.K. (206) 159)

Dextran sulfate
Inositol 1,4,5-triphosphate; Smooth muscle cells; Ca^{2+} release (Yamamoto, H. (206) 175)

Dextromethorphan
Haloperidol; (+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine; 1,3-Di-*o*-tolyl guanidine; σ receptor; Computer-assisted modeling (Zhou, G.-Z. (206) 261)

Diacylglycerol
Protein kinase C; Lipid fluidity; Alcohols; Anesthetics (Lester, D.S. (206) 301)

3,4-Diaminopyridine
Noradrenaline release; Phorbol ester; Protein kinase C; Ca^{2+} (intraneuronal) and Na^+ (intraneuronal); Hippocampus (Huang, H.Y. (206) 221)

5,7-Dichloroquinoline-2-carboxylic acid (5,7-DCKA)
Glutamate; Glycine; (Antagonist); (Rat) (Baron, B.M. (206) 149)

Dihydropyridines
TXA_2/PGH_2 receptors; I-PTA-OH; I-BOP; Platelets (human) (Mayeux, P.R. (206) 15)

[^{3}H]d-cis-diltiazem
[^{3}H]nitrendipine; Calmodulin antagonists; Cyclic nucleotide phosphodiesterase; Ca^{2+} channel antagonists (Schaeffer, P. (206) 325)

1,3-Di-*o*-tolyl guanidine
Dextromethorphan; Haloperidol; (+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine; σ receptor; Computer-assisted modeling (Zhou, G.-Z. (206) 261)

[^{3}H]DPCPX ([^{3}H]1,3-dipropyl-8-cyclopentylxanthine)
Adenosine A_1 receptors; Fat cell (human); Adipocytes; Guanine nucleotides; Lipolysis; [^{3}H](−)-PIA ([^{3}H](−)-N^6-phenylisopropyladenosine) (Larrouy, D. (206) 139)

Divalent cations
[^{3}H]Leukotriene B_4; Leukotriene B_4; Leukotriene receptors; Guanine nucleotides; (Guanyl-5′-yl-imidodiphosphate) GppNHp (Falcone, R.C. (206) 333)

DNA
Smooth muscle (vascular); Ca^{2+}; Proliferation; A_7r_5 cells (Sperti, G. (206) 279)

Dopamine
MDMA (3,4-methylenedioxymethamphetamine); c-Fos protein; Basal ganglia; (Rat) (Dragunow, M. (206) 255)

Electrophysiology
Neurosteroid; $GABA_A$ receptors; Cloned subtypes (Shingai, R. (206) 77)

Endothelin receptors
Astrocytoma C6 (rat) (Couraud, P.-O. (206) 191)

Enteric nervous system
cAMP; Myenteric neurons; Intestine; Synaptic transmission; Forskolin (Xia, Y. (206) 231)

Epinephrine
Adipose tissue; Hypothyroidism; Insulin; Phosphoinositides (Andersen, P.H. (206) 81)

Fat cell (human)
Adenosine A_1 receptors; Adipocytes; Guanine nucleotides; Lipolysis; [^{3}H]DPCPX ([^{3}H]1,3-dipropyl-8-cyclopentylxanthine); [^{3}H](−)-PIA ([^{3}H](−)-N^6-phenylisopropyladenosine) (Larrouy, D. (206) 139)

Fluo-3, AM
Ca^{2+} mobilization; Neurokinin A (NKA); NK_2 receptor; Transfected fibroblast (Henderson, A.K. (206) 251)

p-Fluoro-hexahydro-sila-difenidol
Muscarinic receptor subtypes (M_1, M_2, M_3, and (putative) M_4); Muscarinic receptor antagonists (selective); Hexahydro-sila-difenidol analogues; Stereoselectivity (at muscarinic receptors) (Waelbroeck, M. (206) 95)

Forskolin
cAMP; Enteric nervous system; Myenteric neurons; Intestine; Synaptic transmission (Xia, Y. (206) 231)

c-Fos protein
MDMA (3,4-methylenedioxymethamphetamine); Dopamine; Basal ganglia; (Rat) (Dragunow, M. (206) 255)

FRTL-5 thyroid cells
Adenosine; Adenosine A_1 receptor; Phosphoinositide turnover; Arachidonate release; Purine P_2 receptor (Nazarea, M. (206) 47)

Fura2
Macrophages; Ca^{2+}; Arachidonic acid; Leukotriene B_4; Prostacyclin (Letari, O. (206) 211)

$GABA_A$ receptors
Neurosteroid; Cloned subtypes; Electrophysiology (Shingai, R. (206) 77)

GH_3-cells
Adenosine receptors; Cyclic AMP; Inositol phosphates; Astroglia; Neutrophils (human) (Van Calker, D. (206) 285)

Glutamate
Glycine; 5,7-Dichloroquinoline-2-carboxylic acid (5,7-DCKA); (Antagonist); (Rat) (Baron, B.M. (206) 149)

NMDA (*N*-Methyl-D-aspartate); MK-801; Adamantane; Memantine; Amantadine; Parkinson's disease (Kornhuber, J. (206) 297)

Glycine
Glutamate; 5,7-Dichloroquinoline-2-carboxylic acid (5,7-DCKA); (Antagonist); (Rat) (Baron, B.M. (206) 149)

cGMP
Cardiac ventricle; Sinoatrial node; cAMP; cGMP-stimulated phosphodiesterase; Phosphodiesterase inhibitors (Komas, N. (206) 5)

Guanylate cyclase; Oxidation-reduction; Atrial natriuretic factor (ANF); Thiol (Fülle, H.-J. (206) 69)

cGMP-stimulated phosphodiesterase
Cardiac ventricle; Sinoatrial node; cAMP; cGMP; Phosphodiesterase inhibitors (Komas, N. (206) 5)

(Guanyl-5′-yl-imidodiphosphate) GppNHp
[^{3}H]Leukotriene B_4; Leukotriene B_4; Leukotriene receptors; Guanine nucleotides; Divalent cations (Falcone, R.C. (206) 333)

G proteins
Mastoparan; Phospholipase C; Amphiphilic peptides (Gusovsky, F. (206) 309)

GTP
ω-Conotoxin GVIA; Neomycin; N-channel (Stumpo, R.J. (206) 155)

GTP-binding protein (inhibitory)
Li^+; ADP ribosylation; Islet-activating protein; Cardiac ventricular cell (rat) (Kawamoto, H. (206) 33)

Guanine nucleotide-binding proteins
β-Adrenoceptors; Noradrenaline; Cytokine (Reithmann, C. (206) 53)

Guanine nucleotides
Adenosine A_1 receptors; Fat cell (human); Adipocytes; Lipolysis; [^{3}H]DPCPX ([^{3}H]1,3-dipropyl-8-cyclopentylxanthine); [^{3}H](−)-PIA ([^{3}H](−)-N^6-phenylisopropyladenosine) (Larrouy, D. (206) 139)

[^{3}H]Leukotriene B_4; Leukotriene B_4; Leukotriene receptors; (Guanyl-5′-yl-imidodiphosphate) GppNHp; Divalent cations (Falcone, R.C. (206) 333)

Guanylate cyclase
Oxidation-reduction; Atrial natriuretic factor (ANF); cGMP; Thiol (Fülle, H.-J. (206) 69)

Haloperidol
Dextromethorphan; (+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine; 1,3-Di-*o*-tolyl guanidine; σ receptor; Computer-assisted modeling (Zhou, G.-Z. (206) 261)

Hemicholinium-3
Choline; Acetylcholine; Neuroblastoma-glioma; Hybrid cells; Choline transport (Sheff, K.Y. (206) 105)

Hexahydro-sila-difenidol analogues
Muscarinic receptor subtypes (M_1, M_2, M_3, and (putative) M_4); Muscarinic receptor antagonists (selective); p-Fluoro-hexahydro-sila-difenidol; Stereoselectivity (at muscarinic receptors) (Waelbroeck, M. (206) 95)

Hippocampus
3,4-Diaminopyridine; Noradrenaline release; Phorbol ester; Protein kinase C; Ca^{2+} (intraneuronal) and Na^+ (intraneuronal) (Huang, H.Y. (206) 221)

Histamine H_2 receptor
Histamine H_2 receptor antagonists; Binding site (accessory) (Orsetti, M. (206) 167)

Histamine H_2 receptor antagonists
Histamine H_2 receptor; Binding site (accessory) (Orsetti, M. (206) 167)

5-HT release
[^{3}H]Ketanserin binding; Platelets (human); Non-serotonergic binding sites (Leysen, J.E. (206) 39)

Hybrid cells
Choline; Acetylcholine; Hemicholinium-3; Neuroblastoma-glioma; Choline transport (Sheff, K.Y. (206) 105)

(+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine
Dextromethorphan; Haloperidol; 1,3-Di-*o*-tolyl guanidine; σ receptor; Computer-assisted modeling (Zhou, G.-Z. (206) 261)

5-Hydroxytryptamine transport complex
[^{3}H]Imipramine; [^{3}H]Paroxetine; [^{3}H]Citalopram; Affinity modulation; Brain; (Human); (Rat) (Plenge, P. (206) 243)

Hypothyroidism
Adipose tissue; Insulin; Epinephrine; Phosphoinositides (Andersen, P.H. (206) 81)

[^{3}H]Idazoxan
[^{3}H]Rauwolscine; Kidney (human); Basolateral membranes (Lachaud-Pettiti, V. (206) 23)

[^{3}H]Imipramine
[^{3}H]Paroxetine; [^{3}H]Citalopram; 5-Hydroxytryptamine transport complex; Affinity modulation; Brain; (Human); (Rat) (Plenge, P. (206) 243)

Inositol phosphate formation (direct and indirect)
Muscarinic receptors; Striatal neurons in primary culture; Ontogeny (Schmidt, B.H. (206) 87)

Inositol phosphates
Adenosine receptors; Cyclic AMP; Astroglia; GH_3-cells; Neutrophils (human) (Van Calker, D. (206) 285)

Inositol 1,4,5-triphosphate
Dextran sulfate; Smooth muscle cells; Ca^{2+} release (Yamamoto, H. (206) 175)

Inositol trisphosphate
Iris sphincter (bovine); Carbachol; M&B 22948; Contraction; Smooth muscle (Akhtar, R.A. (206) 291)

Inositol 1,4,5-trisphosphate
Cerebellar granule cells; Muscarinic M_3 receptors; Phosphoinositide metabolism (Whitham, E.M. (206) 181)

In situ hybridization
β-Adrenoceptors; Lung; Autoradiography (Hamid, Q.A. (206) 133)

Insulin
Adipose tissue; Hypothyroidism; Epinephrine; Phosphoinositides (Andersen, P.H. (206) 81)

Intestine
cAMP; Enteric nervous system; Myenteric neurons; Synaptic transmission; Forskolin (Xia, Y. (206) 231)

Iris sphincter (bovine)
Carbachol; M&B 22948; Inositol trisphosphate; Contraction; Smooth muscle (Akhtar, R.A. (206) 291)

Islet-activating protein
Li^+; GTP-binding protein (inhibitory); ADP ribosylation; Cardiac ventricular cell (rat) (Kawamoto, H. (206) 33)

[^{3}H]Ketanserin binding
Platelets (human); Non-serotonergic binding sites; 5-HT release (Leysen, J.E. (206) 39)

Kidney (human)
[^{3}H]Idazoxan; [^{3}H]Rauwolscine; Basolateral membranes (Lachaud-Pettiti, V. (206) 23)

K_L/K_H
Desipramine; β-Adrenoceptors; Cyclic AMP; C6 glioma (Manji, H.K. (206) 159)

Leukotriene B_4
Macrophages; Ca^{2+}; Arachidonic acid; Prostacyclin; Fura2 (Letari, O. (206) 211)

[^{3}H]Leukotriene B_4; Leukotriene receptors; Guanine nucleotides; (Guanyl-5′-yl-imidodiphosphate) GppNHp; Divalent cations (Falcone, R.C. (206) 333)

[^{3}H]Leukotriene B_4
Leukotriene B_4; Leukotriene receptors; Guanine nucleotides; (Guanyl-5′-yl-imidodiphosphate) GppNHp; Divalent cations (Falcone, R.C. (206) 333)

Leukotriene receptors
[^{3}H]Leukotriene B_4; Leukotriene B_4; Guanine nucleotides; (Guanyl-5′-yl-imidodiphosphate) GppNHp; Divalent cations (Falcone, R.C. (206) 333)

Li^+
GTP-binding protein (inhibitory); ADP ribosylation; Islet-activating protein; Cardiac ventricular cell (rat) (Kawamoto, H. (206) 33)

Lipid fluidity
Protein kinase C; Diacylglycerol; Alcohols; Anesthetics (Lester, D.S. (206) 301)

Lipolysis
Adenosine A_1 receptors; Fat cell (human); Adipocytes; Guanine nucleotides; [^{3}H]DPCPX ([^{3}H]1,3-dipropyl-8-cyclopentylxanthine); [^{3}H](−)-PIA ([^{3}H](−)-N^6-phenylisopropyladenosine) (Larrouy, D. (206) 139)

Liver cells
α_1-Adrenoceptor subtypes; Aorta; 5-Methyl urapidil (Torres-Márquez, M.E. (206) 199)

Lung
β-Adrenoceptors; In situ hybridization; Autoradiography (Hamid, Q.A. (206) 133)

Angiotensin II receptors; Angiotensin II receptor subtypes; (Rat) (Entzeroth, M. (206) 237)

Macrophages
Ca^{2+}; Arachidonic acid; Leukotriene B_4; Prostacyclin; Fura2 (Letari, O. (206) 211)

Mastoparan
Phospholipase C; G proteins; Amphiphilic peptides (Gusovsky, F. (206) 309)

M&B 22948
Iris sphincter (bovine); Carbachol; Inositol trisphosphate; Contraction; Smooth muscle (Akhtar, R.A. (206) 291)

MDMA (3,4-methylenedioxymethamphetamine)
Dopamine; c-Fos protein; Basal ganglia; (Rat) (Dragunow, M. (206) 255)

Memantine
Glutamate; NMDA (*N*-Methyl-D-aspartate); MK-801; Adamantane; Amantadine; Parkinson's disease (Kornhuber, J. (206) 297)

5-Methyl urapidil
α_1-Adrenoceptor subtypes; Liver cells; Aorta (Torres-Márquez, M.E. (206) 199)

MK-801
Glutamate; NMDA (*N*-Methyl-D-aspartate); Adamantane; Memantine; Amantadine; Parkinson's disease (Kornhuber, J. (206) 297)

Molecular model
Receptors; Morphine; Analgesics; Narcotics; Quantum theory; (Addictive); (Chemistry); (Pharmaceuticals) (Goldblum, A. (206) 119)

Morphine
Receptors; Analgesics; Narcotics; Molecular model; Quantum theory; (Addictive); (Chemistry); (Pharmaceuticals) (Goldblum, A. (206) 119)

Muscarinic receptor antagonists (selective)
Muscarinic receptor subtypes (M_1, M_2, M_3, and (putative) M_4); Hexahydro-sila-difenidol analogues; p-Fluoro-hexahydro-sila-difenidol; Stereoselectivity (at muscarinic receptors) (Waelbroeck, M. (206) 95)

Muscarinic receptors
Inositol phosphate formation (direct and indirect); Striatal neurons in primary culture; Ontogeny (Schmidt, B.H. (206) 87)

Muscarinic M_3 receptors
Cerebellar granule cells; Phosphoinositide metabolism; Inositol 1,4,5-trisphosphate (Whitham, E.M. (206) 181)

Muscarinic receptor subtypes (M_1, M_2, M_3, and (putative) M_4)
Muscarinic receptor antagonists (selective); Hexahydro-sila-difenidol analogues; p-Fluoro-hexahydro-sila-difenidol; Stereoselectivity (at muscarinic receptors) (Waelbroeck, M. (206) 95)

Muscimol
t-Butylbicyclophosphorothionate (TBPS); Acylating agents; t-Butylbicycloorthobenzoate (TBOB); Cl^- uptake; Synaptoneurosomes (Moody, E.J. (206) 113)

Myenteric neurons
cAMP; Enteric nervous system; Intestine; Synaptic transmission; Forskolin (Xia, Y. (206) 231)

Narcotics
Receptors; Morphine; Analgesics; Molecular model; Quantum theory; (Addictive); (Chemistry); (Pharmaceuticals) (Goldblum, A. (206) 119)

N-channel
ω-Conotoxin GVIA; Neomycin; GTP (Stumpo, R.J. (206) 155)

Neomycin
ω-Conotoxin GVIA; GTP; N-channel (Stumpo, R.J. (206) 155)

Neuroblastoma-glioma
Choline; Acetylcholine; Hemicholinium-3; Hybrid cells; Choline transport (Sheff, K.Y. (206) 105)

Neurokinin A (NKA)
Ca^{2+} mobilization; Fluo-3, AM; NK_2 receptor; Transfected fibroblast (Henderson, A.K. (206) 251)

Neurosteroid
$GABA_A$ receptors; Cloned subtypes; Electrophysiology (Shingai, R. (206) 77)

Neurotensin receptors
Cyclic GMP; Ontogeny (Cusack, B. (206) 339)

Neutrophils (human)
Adenosine receptors; Cyclic AMP; Inositol phosphates; Astroglia; GH_3-cells (Van Calker, D. (206) 285)

[^{3}H]nitrendipine
[^{3}H]d-cis-diltiazem; Calmodulin antagonists; Cyclic nucleotide phosphodiesterase; Ca^{2+} channel antagonists (Schaeffer, P. (206) 325)

Nitric oxide (NO)
Norepinephrine; Cyclic GMP; Astrocytes (Agulló, L. (206) 343)

NK_2 receptor
Ca^{2+} mobilization; Fluo-3, AM; Neurokinin A (NKA); Transfected fibroblast (Henderson, A.K. (206) 251)

NMDA (*N*-Methyl-D-aspartate)
Glutamate; MK-801; Adamantane; Memantine; Amantadine; Parkinson's disease (Kornhuber, J. (206) 297)

Non-serotonergic binding sites
[^{3}H]Ketanserin binding; Platelets (human); 5-HT release (Leysen, J.E. (206) 39)

Noradrenaline
Guanine nucleotide-binding proteins; β-Adrenoceptors; Cytokine (Reithmann, C. (206) 53)

Noradrenaline release
3,4-Diaminopyridine; Phorbol ester; Protein kinase C; Ca^{2+} (intraneuronal) and Na^+ (intraneuronal); Hippocampus (Huang, H.Y. (206) 221)

Norepinephrine
Cyclic GMP; Astrocytes; Nitric oxide (NO) (Agulló, L. (206) 343)

Ontogeny
Muscarinic receptors; Inositol phosphate formation (direct and indirect); Striatal neurons in primary culture (Schmidt, B.H. (206) 87)

Neurotensin receptors; Cyclic GMP (Cusack, B. (206) 339)

Oxidation-reduction
Guanylate cyclase; Atrial natriuretic factor (ANF); cGMP; Thiol (Fülle, H.-J. (206) 69)

Parkinson's disease
Glutamate; NMDA (*N*-Methyl-D-aspartate); MK-801; Adamantane; Memantine; Amantadine (Kornhuber, J. (206) 297)

[^{3}H]Paroxetine
[^{3}H]Imipramine; [^{3}H]Citalopram; 5-Hydroxytryptamine transport complex; Affinity modulation; Brain; (Human); (Rat) (Plenge, P. (206) 243)

[^{3}H](−)-PIA ([^{3}H](−)-N^6-phenylisopropyladenosine)
Adenosine A_1 receptors; Fat cell (human); Adipocytes; Guanine nucleotides; Lipolysis; [^{3}H]DPCPX ([^{3}H]1,3-dipropyl-8-cyclopentylxanthine) (Larrouy, D. (206) 139)

Phorbol ester
3,4-Diaminopyridine; Noradrenaline release; Protein kinase C; Ca^{2+} (intraneuronal) and Na^+ (intraneuronal); Hippocampus (Huang, H.Y. (206) 221)

Phosphodiesterase inhibitors
Cardiac ventricle; Sinoatrial node; cAMP; cGMP; cGMP-stimulated phosphodiesterase (Komas, N. (206) 5)

Phosphoinositide metabolism
Cerebellar granule cells; Muscarinic M_3 receptors; Inositol 1,4,5-trisphosphate (Whitham, E.M. (206) 181)

Phospholnositides
Adipose tissue; Hypothyroidism; Insulin; Epinephrine (Andersen, P.H. (206) 81)

Phosphoinositide turnover
Adenosine; Adenosine A_1 receptor; FRTL-5 thyroid cells; Arachidonate release; Purine P_2 receptor (Nazarea, M. (206) 47)

Phospholipase C
Mastoparan; G proteins; Amphiphilic peptides (Gusovsky, F. (206) 309)

Pituitary
Adenosine A_1 receptor; Cytosolic Ca^{2+}; Action potential (Mollard, P. (206) 271)

Platelets (human)
TXA_2/PGH_2 receptors; I-PTA-OH; I-BOP; Dihydropyridines (Mayeux, P.R. (206) 15)

[^{3}H]Ketanserin binding; Non-serotonergic binding sites; 5-HT release (Leysen, J.E. (206) 39)

Proliferation
Smooth muscle (vascular); Ca^{2+}; DNA; A_7r_5 cells (Sperti, G. (206) 279)

Prostacyclin
Macrophages; Ca^{2+}; Arachidonic acid; Leukotriene B_4; Fura2 (Letari, O. (206) 211)

Protein kinase C
3,4-Diaminopyridine; Noradrenaline release; Phorbol ester; Ca^{2+} (intraneuronal) and Na^+ (intraneuronal); Hippocampus (Huang, H.Y. (206) 221)

Diacylglycerol; Lipid fluidity; Alcohols; Anesthetics (Lester, D.S. (206) 301)

I-PTA-OH
TXA_2/PGH_2 receptors; I-BOP; Dihydropyridines; Platelets (human) (Mayeux, P.R. (206) 15)

Purine P_2 receptor
Adenosine; Adenosine A_1 receptor; FRTL-5 thyroid cells; Phosphoinositide turnover; Arachidonate release (Nazarea, M. (206) 47)

Quantum theory
Receptors; Morphine; Analgesics; Narcotics; Molecular model; (Addictive); (Chemistry); (Pharmaceuticals) (Goldblum, A. (206) 119)

Ramiprilat binding
Angiotensin-converting enzyme; Renal brush-border membranes; Cl^- (Grima, M. (206) 203)

[^{3}H]Rauwolscine
[^{3}H]Idazoxan; Kidney (human); Basolateral membranes (Lachaud-Pettiti, V. (206) 23)

Receptors
Morphine; Analgesics; Narcotics; Molecular model; Quantum theory; (Addictive); (Chemistry); (Pharmaceuticals) (Goldblum, A. (206) 119)

Renal brush-border membranes
Angiotensin-converting enzyme; Ramiprilat binding; Cl^- (Grima, M. (206) 203)

Sinoatrial node
Cardiac ventricle; cAMP; cGMP; cGMP-stimulated phosphodiesterase; Phosphodiesterase inhibitors (Komas, N. (206) 5)

Smooth muscle
Iris sphincter (bovine); Carbachol; M&B 22948; Inositol trisphosphate; Contraction (Akhtar, R.A. (206) 291)

Smooth muscle cells
Dextran sulfate; Inositol 1,4,5-triphosphate; Ca^{2+} release (Yamamoto, H. (206) 175)

Smooth muscle (vascular)
Ca^{2+}; DNA; Proliferation; A_7r_5 cells (Sperti, G. (206) 279)

σ receptor
Dextromethorphan; Haloperidol; (+)-3-(3-hydroxyphenyl)-*N*-(1-propyl)piperidine; 1,3-Di-*o*-tolyl guanidine; Computer-assisted modeling (Zhou, G.-Z. (206) 261)

Stereoselectivity (at muscarinic receptors)
Muscarinic receptor subtypes (M_1, M_2, M_3, and (putative) M_4); Muscarinic receptor antagonists (selective); Hexahydro-sila-difenidol analogues; p-Fluoro-hexahydro-sila-difenidol (Waelbroeck, M. (206) 95)

Striatal neurons in primary culture
Muscarinic receptors; Inositol phosphate formation (direct and indirect); Ontogeny (Schmidt, B.H. (206) 87)

Synaptic transmission
cAMP; Enteric nervous system; Myenteric neurons; Intestine; Forskolin (Xia, Y. (206) 231)

Synaptoneurosomes
t-Butylbicyclophosphorothionate (TBPS); Acylating agents; t-Butylbicycloorthobenzoate (TBOB); Cl^- uptake; Muscimol (Moody, E.J. (206) 113)

Thiol
Guanylate cyclase; Oxidation-reduction; Atrial natriuretic factor (ANF); cGMP (Fülle, H.-J. (206) 69)

Transfected fibroblast
Ca^{2+} mobilization; Fluo-3, AM; Neurokinin A (NKA); NK_2 receptor (Henderson, A.K. (206) 251)

TXA_2/PGH_2 receptors
I-PTA-OH; I-BOP; Dihydropyridines; Platelets (human) (Mayeux, P.R. (206) 15)

Voltage-sensitive Ca^{2+} channels
ω-Conotoxin GVIA; Acetylcholine release; Ca^{2+} influx; Ca^{2+} (intracellular free) (Lundy, P.M. (206) 61)

Xanthine C8-region
Adenosine A_1 receptor; Adenosine A_1 receptor antagonists; Computer graphics (Van der Wenden, E.M. (206) 315)